

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A flattened tube heat exchanger, the heat exchanger comprising:

a continuous flattened tube having first and second ends with a length therebetween and opposite first and second heat transfer surfaces that extend from the first end to the second end, the tube being shaped into a predetermined configuration with portions of the heat transfer surfaces being adjacent to other portions of the heat transfer surfaces and being spaced apart so that a space exists between each of the adjacent portions of the heat transfer surfaces, and the tube having at least one passageway that extends through the tube from the first end to the second end so that a fluid can pass through the tube;

at least one continuous heat transfer fin having first and second ends, the first end of the at least one heat transfer fin being conductively attached to one of the first or second heat transfer surfaces and substantially extending along an entirety of the length of the tube, and a portion of the second end of the at least one heat transfer fin extending into at least one of the spaces between adjacent portions of the heat transfer surfaces without contacting [[the]] an adjacent portion of the first or second heat transfer ~~surface~~ surfaces; and

first and second manifolds attached to and in fluid communication with the respective first and second ends of the tube so that a fluid can pass between the first and second manifolds via the at least one passageway[[.]].

wherein the at least one heat transfer fin is one of a plurality of heat transfer fins, at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the first heat transfer surface, and a different at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the second heat transfer surface.

2-5. (cancelled)

6. (currently amended) The heat exchanger of claim [[5]] 1, wherein:

the at least one heat transfer fin of the plurality of heat transfer fins that is attached to the first heat transfer surface extends substantially along the entire length of the tube.

7. (currently amended) ~~The heat exchanger of claim 6,~~ A flattened tube heat exchanger, the heat exchanger comprising:

a continuous flattened tube having first and second ends with a length therebetween and opposite first and second heat transfer surfaces that extend from the first end to the second end, the tube being shaped into a predetermined configuration with portions of the heat transfer surfaces being adjacent to other portions of the heat transfer surfaces and being spaced apart so that a space exists between each of the adjacent portions of the heat transfer surfaces, and the tube having at least one passageway that extends through the tube from the first end to the second end so that a fluid can pass through the tube;

at least one continuous heat transfer fin having first and second ends, the first end of the at least one heat transfer fin being conductively attached to one of the first or second heat transfer surfaces and substantially extending along an entirety of the length of the tube, and a portion of the second end of the at least one heat transfer fin extending into at least one of the spaces between adjacent portions of the heat transfer surfaces without contacting an adjacent portion of the first or second heat transfer surfaces; and

first and second manifolds attached to and in fluid communication with the respective first and second ends of the tube so that a fluid can pass between the first and second manifolds via the at least one passageway,

wherein the at least one heat transfer fin is one of a plurality of heat transfer fins, at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the first heat transfer surface and extends substantially along

the entire length of the tube, and a different at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the second heat transfer surface and the
~~different at least one heat transfer fin of the plurality of heat transfer fins that is attached to the second heat transfer surface~~ extends substantially along the entire length of the tube.

8. (original) The heat exchanger of claim 1, wherein:
the at least one passageway is one of a plurality of passageways.
9. (original) The heat exchanger of claim 8, wherein:
each passageway of the plurality of passageways are hydraulically parallel.
10. (original) The heat exchanger of claim 1, wherein:
the at least one heat transfer fin is a corrugated heat transfer fin.
11. (cancelled)

12. (currently amended) A flattened tube heat exchanger, the heat exchanger comprising:

a continuous flattened tube having first and second ends with a length therebetween and opposite first and second heat transfer surfaces that extend from the first end to the second end, the tube having at least one passageway that extends through the tube from the first end to the second end so that a fluid can pass through the tube, and the tube being coiled along the length so that the first and second heat transfer surfaces are radially opposite and radially adjacent heat transfer surfaces are spaced apart with a space existing between the radially adjacent heat transfer surfaces;

at least one continuous heat transfer fin having first and second ends, the first end of the at least one heat transfer fin being conductively attached to one of the first or second heat transfer surfaces and substantially extending along an entirety of the length of the tube, and a portion of the second end of the at least one heat transfer fin extending into the space between the radially adjacent heat transfer surfaces without contacting ~~[[the]]~~ a radially adjacent first or second heat transfer surface; and

first and second manifolds attached to and in fluid communication with the respective first and second ends of the tube so that a fluid can pass between the first and second manifolds via the at least one passageway~~[[.]]~~.

wherein the at least one heat transfer fin is one of a plurality of heat transfer fins, at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the first heat transfer surface, and a different at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the second heat transfer surface.

13. (cancelled)

14. (original) The heat exchanger of claim 12, wherein:

the tube is coiled so that the tube has alternating straight portions and curved portions along the length.

15. (original) The heat exchanger of claim 14, wherein:

the curved portions are 90 degree curves.

16-18. (cancelled)

19. (currently amended) The heat exchanger of claim ~~[[18]]~~12, wherein:

the at least one heat transfer fin of the plurality of heat transfer fins that is attached to the first heat transfer surface extends substantially along the entire length of the tube.

20. (currently amended) ~~The heat exchanger of claim 19, wherein~~ A flattened tube heat exchanger, the heat exchanger comprising:

a continuous flattened tube having first and second ends with a length therebetween and opposite first and second heat transfer surfaces that extend from the first end to the second end, the tube having at least one passageway that extends through the tube from the first end to the second end so that a fluid can pass through the tube, and the tube being coiled along the length so that the first and second heat transfer surfaces are radially opposite and radially adjacent heat transfer surfaces are spaced apart with a space existing between the radially adjacent heat transfer surfaces;

at least one continuous heat transfer fin having first and second ends, the first end of the at least one heat transfer fin being conductively attached to one of the first or second heat transfer surfaces and substantially extending along an entirety of the length of the tube, and a portion of the second end of the at least one heat transfer fin extending into the space between the radially adjacent heat transfer surfaces without contacting a radially adjacent first or second heat transfer surface; and

first and second manifolds attached to and in fluid communication with the respective first and second ends of the tube so that a fluid can pass between the first and second manifolds via the at least one passageway,

wherein the at least one heat transfer fin is one of a plurality of heat transfer fins, at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the first heat transfer surface and extends substantially along the entire length of the tube, and a different at least one heat transfer fin of the plurality of heat transfer fins is conductively attached to the second heat transfer surface and the

~~different at least one heat transfer fin of the plurality of heat transfer fins that is attached to the second heat transfer surface~~ extends substantially along the entire length of the tube.

21. (original) The heat exchanger of claim 12, wherein:

the at least one passageway is one of a plurality of passageways.

22. (original) The heat exchanger of claim 21, wherein:

each passageway of the plurality of passageways are hydraulically parallel.

23. (original) The heat exchanger of claim 12, wherein:

the at least one heat transfer fin is a corrugated heat transfer fin.

24-37. (cancelled)